

REMARKS

Claims 1-21 were pending in the application. Claims 1, 8, 12, 15-19 and 21 have been amended. None of the amendments contained herein narrow the claims for a reason related to patentability. In many cases, they merely claim that which was already inherent in the claims. In other cases, the amendments have the effect of broadening the claims. To the extent that a particular amendment has the effect of narrowing a claim, such amendment was not made for a reason relating to patentability because there is no outstanding office action but merely to suit the personal preferences of the undersigned attorney.

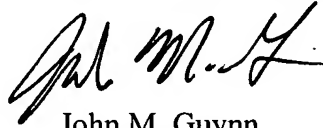
New claims 22-31 have been added in order to more fully claim what Applicants regard as their invention. Support for these claims is found in the originally filed claims and in paragraphs 5, 7-9, 21-23, 26, 32 and 36-38 and Figure 4 of the specification.

In the event that the Examiner has any questions or concerns regarding this amendment, the Examiner is respectfully requested to initiate a telephonic interview with the undersigned attorney.

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page is captioned "VERSION WITH MARKINGS TO SHOW CHANGES MADE".

Dated this 18th day of April 2002.

Respectfully submitted,



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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION:

Paragraph 38 on page 12 has been amended as follows:

Figure 4 illustrates how, according to one embodiment, the holder 80 holds the dental device on a dental hand piece holding tray 100. As shown, the dental hand piece holding tray 100 includes several holders 80 or holding slots configured for holding dental hand pieces. An existing turbine hand piece 90 is placed into one of the holders 80 and the dental device of the invention is held within another of the holders 80.

IN THE CLAIMS:

Claims 1, 8, 12, 15-19 and 21 have been amended as follows:

1. (Amended) A dental device configured for curing light-curable compounds, comprising:

a body extending between a proximal end and a distal end, wherein the proximal end of the body is sized and configured to be received by a dental hand piece holding tray that is sized and configured to receive at least one different type of dental hand piece; and

a light source disposed at the distal end of the body and configured to emit radiant energy suitable for curing a light-curable compound.

8. (Amended) A dental device as recited in claim 1, further including at least one battery disposed at least partially within the body for supplying power to the light source.

12. (Amended) A dental device as recited in claim 1, wherein dental device further comprises a heat sink configured so as to draw away and dissipate heat generated by the light source.

15. (Amended) A dental device configured for curing light-curable compounds, comprising:

a body extending between a proximal end and a distal end, wherein the proximal end of the body is configured to securely fit into [the] a holding slot of a standard dental hand piece holding tray that is sized and configured to securely receive at least one different type of dental hand piece, and wherein the distal end of the body is configured in size and shape to be inserted into the mouth of a patient; and

a light source disposed at the distal end of the body and configured to emit light suitable for curing light-curable compounds;

a power cord operably connecting the dental device with a remotely located power supply; and

controls disposed on the body configured to control the operation of the light source, wherein the controls are ergonomically disposed on the body to be manipulated by a thumb during use.

16. (Amended) A dental device as recited in claim [14] 15, wherein the light source comprises [an] at least one LED.

17. (Amended) A dental device as recited in claim [14] 15, wherein at least a portion of the body is substantially cylindrical.

18. (Amended) A dental device as recited in claim [14] 15, further comprising a lens [fixedly] connected to the distal end of the dental device.

19. (Amended) A dental kit comprising:
a dental curing device configured for curing light-curable compounds and that [includes] comprises:

a body extending between a proximal end and a distal end; and

a light source disposed at the distal end of the body and configured to emit light suitable for curing light-curable compounds; and

[a power cord operably connecting the dental device with a remotely located power supply;]

a holder [including] that comprises:

an inner surface configured in size and shape to frictionally engage at least a portion of the proximal end of the dental device body; and

connecting means for connecting the holder with another device.

21. A dental kit as recited in claim 19, wherein the proximal end of the body is substantially cylindrical, and wherein the holder defines a slot through which the power cord can freely pass.

New claims 22-31 have been added as follows:

22. (New) A dental device as recited in claim 1, wherein the proximal end of the body has a size and shape that is substantially identical to the size and shape of a corresponding end of at least one dental hand piece selected from the group consisting of low speed dental turbines, high speed dental turbines, ultrasonic dental devices, 3- way dental syringes, and oral suctioning devices.

23. (New) A dental device as recited in claim 1, wherein the body has a size and shape that approximates the size and shape of a standard dental hand piece.

24. (New) A dental device as recited in claim 23, wherein the body has a size and shape that approximates the size and shape of at least one of a low speed dental turbine, a high speed dental turbine, an ultrasonic dental device, a 3- way dental syringe, or an oral suctioning device.

25. (New) A dental device as recited in claim 15, wherein the proximal end of the body has a size and shape that is substantially identical to the size and shape of a corresponding end of at least one dental hand piece selected from the group consisting of low speed dental

turbines, high speed dental turbines, ultrasonic dental devices, 3- way dental syringes, and oral suctioning devices.

26. (New) A dental device as recited in claim 15, wherein the body has a size and shape that approximates the size and shape of a standard dental hand piece.

27. (New) A dental device as recited in claim 26, wherein the body has a size and shape that approximates the size and shape of at least one of a low speed dental turbine, a high speed dental turbine, an ultrasonic dental device, a 3- way dental syringe, or an oral suctioning device.

28. (New) A dental device as recited in claim 15, the dental device further comprising a heat sink onto which at least a portion of the light source is mounted, the heat sink being configured so as to draw away and dissipate heat generated by the light source and comprising at least one metal.

29. (New) A dental kit as recited in claim 19, wherein the inner surface of the holder is tapered.

30. (New) A system for providing a plurality of dental treatments, comprising:
a dental hand piece holding tray;
at least two recesses associated with the dental hand piece holding tray, each
recess being sized and configured to receive therein at least one type of dental hand
piece;
a first dental hand piece comprising a dental curing device configured to cure
light-curable compounds, the dental curing device comprising:
a body extending between a proximal end and a distal end, the proximal
end being sized and configured to be received within at least one of the recesses
associated with the dental hand piece holding tray; and
a light source disposed at the distal end of the body and configured to emit
radiant energy suitable for curing a light-curable compound; and
at least one additional dental hand piece configured to be received within at least
one of the recesses associated with the dental hand piece holding tray, wherein the at least
one additional dental hand piece is selected from the group consisting of low speed dental
turbines, high speed dental turbines, ultrasonic dental devices, 3- way dental syringes,
and oral suctioning devices.

31. (New) A system as defined in claim 30, wherein the recesses associated with the dental hand piece holding tray comprise holders that are removably attached to the dental hand piece holding tray.